

CLAIMS

A system for providing multiple time-division multiplexed (TDM) channels over a shared X-DSL communication medium, and the system comprising:

- a subscriber line;
- 5 a first modem with an input and an output and the first and a second modem communicating with one another across the shared communication medium with at least the first modem accepting a plurality of TDM channels at an input thereof ;
- a payload framer coupled with the first modem for accepting the plurality of TDM channels as an input and for placing data associated with each of the channels in
- 10 a payload portion of the X-DSL frame; and
- a payload deframer coupled with the second modem to demultiplex the payload data.

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